

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	544	(73/644).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:11
L2	897	(73/579).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:11
L3	544	(73/644).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:12
L4	897	(73/579).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:12
L5	4	L3 and L4	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L6	1877	(73/579-587).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:12
L7	1877	(73/579-587).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:12
L8	18	L3 and L7	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L9	214	L4 and (water or immersion or bath)	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L10	758	L4 and (carrier or frequency or demodulat\$4 or vibration\$6 or resonance or resonant)	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L11	205	L9 and L10	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L12	545951	acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosound\$4 or macrosonic\$4 or infrasonic\$4 or infrasound\$4	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L13	14401	(tool or workpiece) with (break or breakage or breaking or chipping)	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L14	337	L12 same L13	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L15	32	L14 and "73"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/06/09 11:12
L16	71	L14 same (water or fluid or liquid or coupling)	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13

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L17	507230	acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosound\$4 or macrosonic\$4 or infrasonic\$4 or infrasound\$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/09 11:13
L18	7918	(tool or workpiece) with (break or breakage or breaking or chipping)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/09 11:13
L19	132	L17 same L18	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/09 11:13
L20	2680	L12 with (carrier near5 (frequency or beam))	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13
L21	413	L20 same (water or fluid or coupling or liquid or stream or flow or flowing)	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13
L22	121	L20 same vibrat\$4	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13
L23	39	L21 and L22	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13
L24	39	L21 and L22	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13
L25	82	L22 not L24	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13
L26	544	(73/644).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:13
L27	155	L26 and vibrat\$8	US-PGPUB; USPAT	OR	ON	2006/06/09 11:13
L28	897	(73/579).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/09 11:14
L29	97	L28 and (doppler or carrier or beat)	US-PGPUB; USPAT	OR	ON	2006/06/09 11:14

# Interference

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	ultrasonic\$4 same vibrat\$4 same fluid same flow\$4 same demodulat\$4 same (return or echo)	US-PGPUB	OR	ON	2006/06/09 12:16